

FORM PTO-1449

U. S DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

U 013455-8

09/855,128

APPLICANT

William MARRIT, et al.

FILING DATE

GROUP

May 14, 2001

1621

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA						
AB						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
AC	0 4 8 7 3 4 0	5/1992	EP			X	
AD	1 2 5 0 5 1 6	10/1971	GB			X	

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

AE	Natsume, M., et al. "Isolation and characterization of alginate-derived oligosaccharides with root growth-promoting activities" Carbohydrate Research, Vol. 258, p. 187-197, (1994)
AF	Yonemoto, Y., et al. "Promotion of Germination and Shoot Elongation of Some Plants by Alginate Oligomers...Lyase" Journal of Fermentation and Bioengineering, Vol. 75, No. 1, p. 68-70, (1993)
AG	Haug, A., et al. "Studies on the Sequence of Uronic Acid Residues in Alginic Acid" Acta Chemica Scandinavica, Vol. 21, p. 691-704, (1967)
AH	Haug, A., et al. "Development of Compositional Heterogeneity in Alginate Degraded in Homogeneous Solution" Acta Chemica Scandinavica, Vol. 23, p. 2955-2962, (1969)
AI	O'Colla, P.S., et al. "The Action of Fenton's Reagent on Acidic Polysaccharides" Proc. Chem. Soc., p. 68-69, (1962)
AJ	Smidsrod, O., et al. "Kinetic Studies on the Degradation of Alginic Acid by Hydrogen Peroxide in the Presence of Iron Salts" Acta Chemica Scandinavica, Vol. 19, p. 143-152, (1965)
AK	Baxendale, J.H. "Decomposition of Hydrogen Peroxide by Catalysts in Homogeneous...Solution" Advances in Catalysis and Related Subjects, Vol. IV, Eds. Frankenburg, W.G., et al. p. 31-86, (1952)
AL	Smidsrod, O., et al. "Degradation of Alginate in the Presence of Reducing Compounds" Acta Chemica Scandinavica, Vol. 17, p. 2628-2637, (1963)
AM	Kumazawa, Y., et al. "Immunostimulating polysaccharide separated from hot water extract of <i>Angelica acutiloba</i> Kitagawa (Yamato Tohki)" Immunology, Vol. 47, p. 75-83, (1982)

EXAMINER

DATE CONSIDERED

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Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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AE	Nothnagel, E.A., et al. "Host-Pathogen Interactions: XXII. A Galacturonic Acid Oligosaccharide from Plant Cell Walls Elicits Phytoalexins" Plant Physiol., Vol. 71, p. 916-926, (1983)
AF	Kohn, R., et al. "The Activity of Calcium Ions in Aqueous Solutions of the Lower Calcium Oligogalacturonates" Carbohydrate Research, Vol. 20, p. 351-356, (1971)
AG	Liu, Y.K., et al. "Quantitative Aspects of Pectic Acid Hydrolysis by Endo-Polygalacturonase from <i>Rhizopus Arrhizus</i> " Journal of Food Science, Vol. 45, p. 601-604, (1980)
AH	von Euler, V.H., et al. "Oxydative Decarboxylierung des Pektins, derDiketogulonsaure (Dehydro-ascorbinsäure) und der Brenztraubensäure", Makromol. Chem, Vol. 18/19, p. 375-382, (1956)
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